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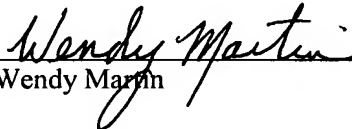
PATENT  
Attorney Docket No. THI-003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Hafeman  
SERIAL NO.: 10/759,374 GROUP NO.: 1651  
FILING DATE: January 16, 2004 EXAMINER: Not yet assigned  
TITLE: METHODS AND DEVICES FOR MONITORING CELLULAR  
METABOLISM IN MICROFLUIDIC CELL-RETAINING  
CHAMBERS

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Office of Initial Patent Examination, Customer Service Center, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 23<sup>rd</sup> day of November, 2004.

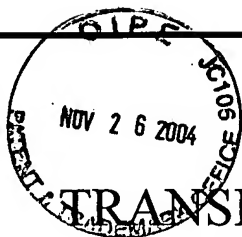
  
Wendy Martin

Office of Initial Patent Examination  
Customer Service Center  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith are:

1. Transmittal Form (1 pg.);
2. Request for Corrected Filing Receipt (2 pgs.);
3. Marked-up copy of Official Filing Receipt (2 pgs.);
4. Copy of listing of Patent Practitioners of Record Under 37 C.F.R. § 1.32(c)(3) (1 pg.); and
5. Return Receipt Postcard.



# TRANSMITTAL FORM

Application Serial Number	10/759,374
Filing Date	January 16, 2004
First Named Inventor	Hafeman
Group Art Unit	1651
Examiner Name	Not yet assigned
Attorney Docket No.	THI-003
Patent No.	Not applicable
Issue Date	Not applicable

## ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form  <input type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____]  <input type="checkbox"/> Petition for Extension of Time  <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Form PTO-1449  <input type="checkbox"/> Copies of IDS Citations  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application  <input type="checkbox"/> Formal Drawing(s)  <input type="checkbox"/> Request For Continued Examination (RCE) Transmittal  <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application  <input type="checkbox"/> Small Entity Statement  <input type="checkbox"/> CD(s) for large table or computer program  <input type="checkbox"/> Amendment After Allowance  <input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences  <input type="checkbox"/> Appeal Brief (in triplicate)  <input type="checkbox"/> Status Inquiry  <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8 <input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8  <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below) <input checked="" type="checkbox"/> Request for Corrected Filing Receipt <input checked="" type="checkbox"/> Marked-up copy of Official Filing Receipt <input checked="" type="checkbox"/> Copy of listing of Patent Practitioners of Record Under 37 C.F.R. § 1.32(c)(3)
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## CORRESPONDENCE ADDRESS

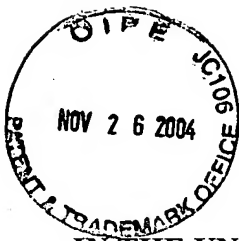
Direct all correspondence to: Patent Administrator  
Testa, Hurwitz & Thibault, LLP  
125 High Street  
Boston, MA 02110  
Tel. No.: (617) 248-7000  
Fax No.: (617) 248-7100

## SIGNATURE BLOCK

Respectfully submitted,

Date: November 23, 2004  
Reg. No. 44,381  
Tel. No.: (617) 310-8327  
Fax No.: (617) 248-7100

Natasha C. Us  
Natasha C. Us  
Attorney for the Applicants  
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125 High Street  
Boston, MA 02110



PATENT  
Attorney Docket No. THI-003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Hafeman CONFIRMATION NO.: 6709  
SERIAL NO.: 10/759,374 GROUP NO.: 1651  
FILING DATE: January 16, 2004 EXAMINER: Not yet assigned  
TITLE: METHODS AND DEVICES FOR MONITORING CELLULAR  
METABOLISM IN MICROFLUIDIC CELL-RETAINING  
CHAMBERS

Office of Initial Patent Examination  
Customer Service Center  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CORRECTED FILING RECEIPT**

- Attached is a copy of the official filing receipt received from the Patent Office for the above-identified application for which issuance of a corrected filing receipt is respectfully requested.
- There is an error with respect to the following data, which is:

☒ incorrectly entered

*and/or*

☐ omitted

***Error In***

***Correct Data***

- |  |                     |
|--|---------------------|
| 1. <input type="checkbox"/> Applicant's name                     | 1.                  |
| 2. <input type="checkbox"/> Applicant's address                  | 2.                  |
| 3. <input type="checkbox"/> Title                                | 3.                  |
| 4. <input type="checkbox"/> Filing Date                          | 4.                  |
| 5. <input type="checkbox"/> Serial Number                        | 5.                  |
| 6. <input type="checkbox"/> Foreign/PCT Application Re:          | 6.                  |
| 7. <input checked="" type="checkbox"/> Other – Power of Attorney | 7. See Chart below: |

**INCORRECT DATA**

Steven Bauer – 31481  
Steven Frank – 33497  
Christopher Stamos – 35370  
Robert J. Tosti – 35393  
Douglas J. Kline – 35574  
Thomas A. Turano – 35722  
Joseph Capraro Jr – 36471  
Thomas Meyers – 36989  
John Cotter – 38116  
Duncan A. Greenhalgh – 38678

**CORRECT DATA**

Michael H. Brodowski – 41640  
Steven Frank – 33497  
Christopher Stamos – 35370  
Robert J. Tosti – 35393  
Douglas J. Kline – 35574  
Thomas A. Turano – 35722  
Christine C. Vito – 39061  
Natasha C. Us – 44381  
John Cotter – 38116  
Duncan A. Greenhalgh – 38678

3. Attached is a copy of the listing of Patent Practitioners of Record under 37 C.F.R. § 1.32(c)(3) filed on November 23, 2004.

Respectfully submitted,

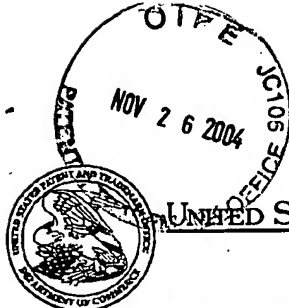
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Attorney for Applicant  
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125 High Street  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
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 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/759,374	01/16/2004	1651	1342	THI-003	8	35	5

021323

TESTA, HURWITZ & THIBEAULT, LLP  
 HIGH STREET TOWER  
 125 HIGH STREET  
 BOSTON, MA 02110

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NOV 10 2004

TESTA, HURWITZ &amp; THIBEAULT, LLP

CONFIRMATION NO. 6709

CORRECTED FILING RECEIPT



\*OC000000014307854\*

Date Mailed: 11/08/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Dean G. Hafeman, Hillsborough, CA;

## Assignment For Published Patent Application

Thermogenic Imaging, Billerica, MA

## Power of Attorney:

~~Steven Bauer - 31481~~ ~~Michael H. Brodowski - 41140~~ Thomas A. Turano - 35722  
~~Steven Frank - 33497~~ ~~Joseph Capraro Jr - 36471~~ Christine C. Vito - 39061  
 Christopher Stamos - 35370 Thomas Moyers - 36989 Natasha C. Us - 44381  
 Robert J. Tosti - 35393 John Cotter - 38116  
 Douglas J. Kline - 35574 Duncan A. Greenhalgh - 38678

## Domestic Priority data as claimed by applicant

This appln claims benefit of 60/440,571 01/16/2003

## Foreign Applications

If Required, Foreign Filing License Granted: 04/21/2004

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/759,374**

**Projected Publication Date:** Not Applicable

**Non-Publication Request:** No

**Early Publication Request:** No

**Title**

Methods and devices for monitoring cellular metabolism in microfluidic cell-retaining chambers

**Preliminary Class**

435

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**LICENSE FOR FOREIGN FILING UNDER**  
**Title 35, United States Code, Section 184**  
**Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

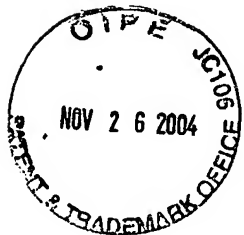
The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



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METABOLISM IN MICROFLUIDIC CELL-RETAINING  
CHAMBERS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

PATENT PRACTITIONERS OF RECORD UNDER 37 C.F.R. § 1.32(c)(3)

Dear Sir:

Under 37 C.F.R. § 1.32 (c)(3), the following patent practitioners listed on the previously submitted Declaration and Power of Attorney For Utility or Design Patent Application should be recognized by the U.S. Patent and Trademark Office as being of record in the above-identified patent application to which the power of attorney is directed.

1.	Michael H. Brodowski	Registration No.	41,640
2.	Steven Frank	Registration No.	33,497
3.	Christopher Stamos	Registration No.	35,370
4.	Robert J. Tosti	Registration No.	35,393
5.	Douglas J. Kline	Registration No.	35,574
6.	Thomas A. Turano	Registration No.	35,722
7.	Christine C. Vito	Registration No.	39,061
8.	Natasha C. Us	Registration No.	44,381
9.	John Cotter	Registration No.	38,116
10.	Duncan A. Greenhalgh	Registration No.	38,678

The Patent Office is requested to contact the undersigned with any questions.

Respectfully submitted,

Date: Nov. 23, 2004  
Reg. No. 44,381

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3143481

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